

Sig/Fig Calculations and Rounding Worksheet

a) Do the indicated arithmetic and give the answer to the correct number of significant figures

a) $48.076 + 0.0005476 =$	g) $0.0007 - 0.0001 =$
c) $0.0007 + 0.0001 =$	-h) $(0.00002) \times (4.0) \times (0.001) =$
e) $0.0000001 + 0.0001 + 0.0001 =$	h) $0.001 \times (0.0000001) \times (0.00001) =$
g) $(0.0000001) \times (0.0001) =$	ig) $(0.1 \times 10^3) \times (0.000001) =$
e) $0.0007 + 0.0001 =$	j) $0.001 \times 0.0001 =$
g) $0.0001 \times 0.0001 =$	

b) Provide names for the following compounds and give the general category they belong to (the acids, carbonates, alkylates or hydroxides)

Na_2CO_3		Na_2SO_4	
CaH_2PO_4		Fe_2CO_3	
MnCl_2		BaCl_2	
Ca_3PO_4		BaCl_2	
$\text{BaCO}_3(\text{aq})$		Fe_2CO_3	
P_2O_5		$\text{BaCO}_3(\text{aq})$	
$\text{Mn}(\text{aq})$		$\text{CaCO}_3(\text{BaCO}_3)$	
Mg_2CO_3		Ba	
P_2S_5		MgF_2	
CaCl_2		Pb	
Ba_2CO_3		Ba_2CO_3	
Ca_2CO_3		$\text{CaCO}_3(\text{BaCO}_3)$	
Ba_2CO_3 (Lime)		Ca_2CO_3 (Lime)	